

INTRODUCTION: 63536 is a dark, vesicular, fine-grained, coherent impact melt (Fig. 1). It is a rake sample.

PETROLOGY: 63536 is an impact melt with a subophitic texture (Fig. 2) and many small olivine phenocrysts. Plagioclase laths 100-300 μm long are partly embedded in olivines and pyroxenes 100-200 μm in diameter. Opaque minerals include chromite (embedded in olivines and plagioclases), armalcolite (?), ilmenite, and ulvospinel. There is some interstitial glass, Fe-metal and troilite, and some clasts of plagioclase.

PROCESSING AND SUBDIVISIONS: Small chips of representative matrix (,1) were made into thin sections ,6 and ,7.

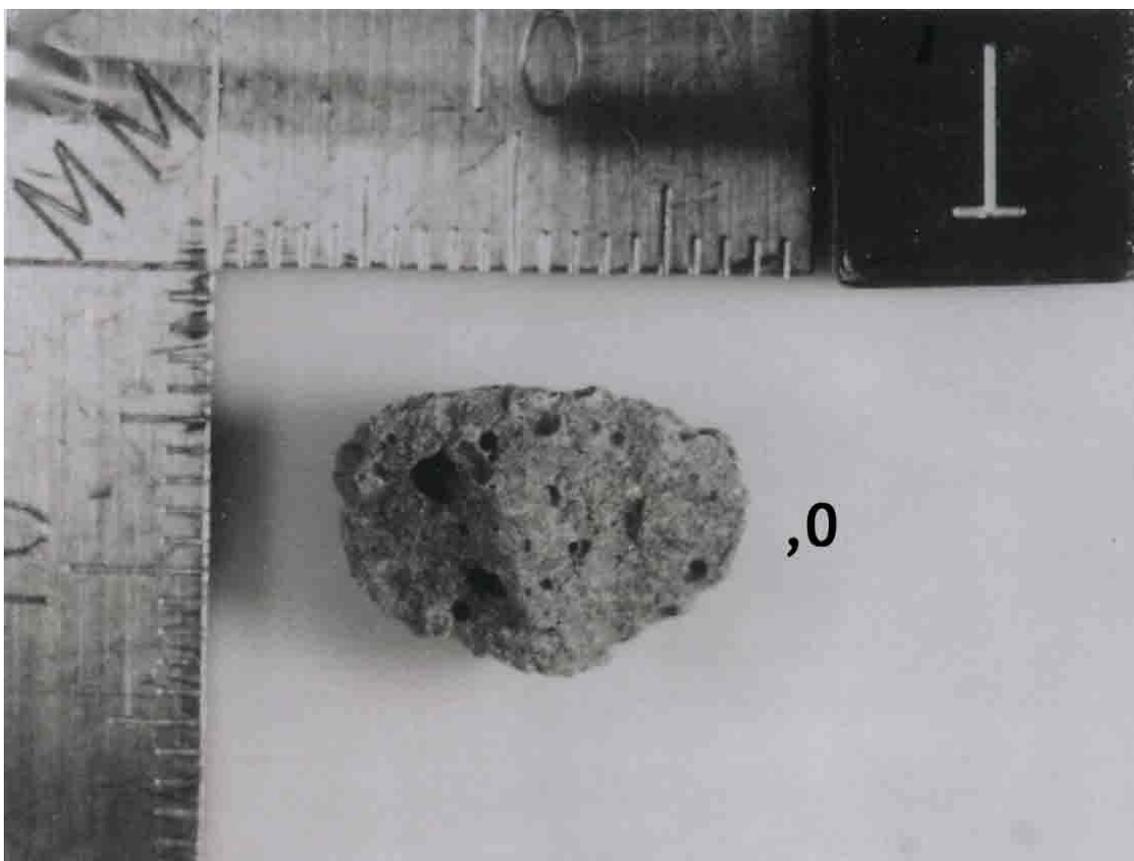


FIGURE 1.

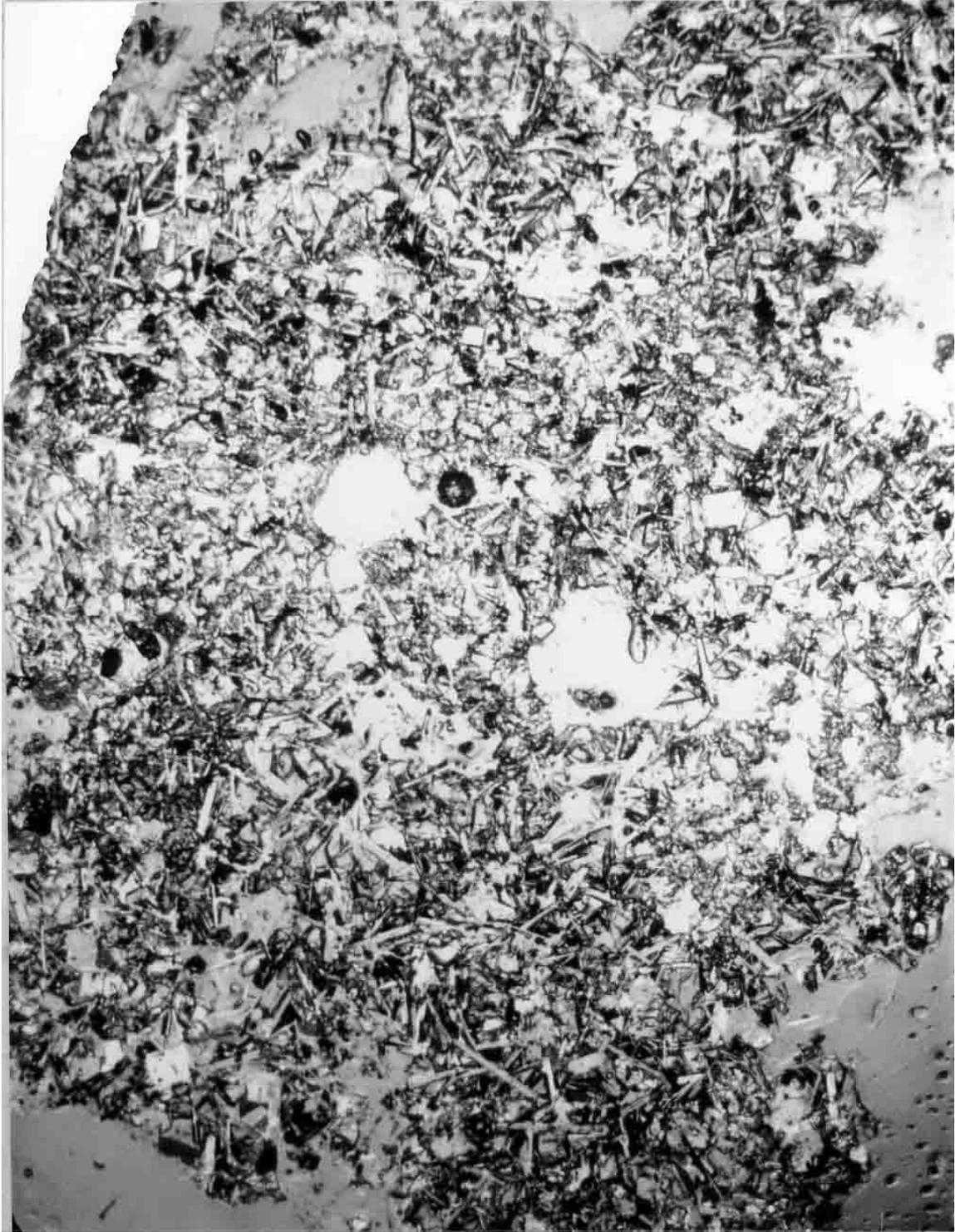


FIGURE 2. 63536,6, general view, ppl. Width 2 mm.